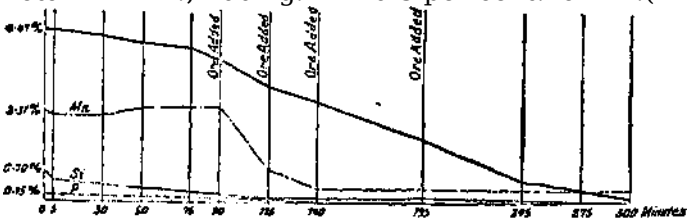
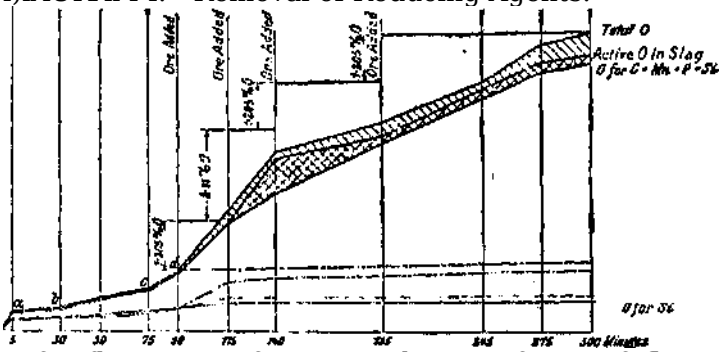
this period and the long duration of the same, admits of the conjecture that no more ore was added, and the action took

EXAMPLE Y.

Charge : 20,018 kilogrammes molten pig iron heated for 90 minutes without addition.
Ore added, at 90 inins. 820 kg.= -t'l per cent. oro=l'205 per cent. O „ 11") „ 1,0-10 „ = 8-2 „ „ =2-41 „ O „ MO „ 820 „ = 4-1. „ „ = 1 •!><)«> „ O
„ ,, 195 ,, 820 ,, :- -| '] ,,
,, — \ '205 „ O
Total "•!, 100 kg. 20-5 per cent.' oriv^:(>-025)K^r ctvnt. < >



l)iAURAM I.—Removal of Reducing Agents.


Ore Added
Ore Added
Ore Added
Ore Added
Total O
Active O in Slag
O for C + Mn + P + Si
O for Si
5 30 50 75 90 115 140 195 245 275 300 Minutes

QtftKJfbg Action of Ft;* 'Z^o/br Mn. *f*+ —Ofafl+Si

1) 1A« HA M 11.- Ad,ion of Oxygen.

place only by moans of oxidising action of the flame under low oxygemniH nlng. Thereby the yield at the end of the "heat" would then have been lowered.

The oxygon rendered available up to the end of 1220 miuutoB